

## CLAIM AMENDMENTS

### IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. **(Currently Amended)** A surge protector comprising a spark gap, which has mutually opposite electrodes, a trigger circuit for triggering the spark gap and a light source, which is connected to a protective device, at ground potential for generating a trigger light, which can be supplied to a reception unit of the trigger circuit by means of at least one optical waveguide, the spark gap and the trigger circuit being at a high-voltage potential,

wherein

the reception unit has at least one power semiconductor component, which can be ~~moved-over~~ converted, by means of the trigger light, from an off position, in which a current flow via the power semiconductor component is interrupted, to an on position, in which a current flow between the mutually opposite electrodes via the power semiconductor component is made possible.

2. **(Currently Amended)** A surge protector according to claim 1,

wherein

the power semiconductor ~~components are~~ component is in the form of at least two thyristors which are connected in opposition and can be triggered optically.

3. **(Currently Amended)** A surge protector according to claim 1,

wherein

the trigger circuit has a capacitive voltage divider, which has a capacitor which can be bridged by means of the power semiconductor ~~components~~ component.

4. (Previously Presented) A surge protector according to claim 1,  
wherein

the trigger circuit is connected to a trigger electrode, whose distance from a first electrode of the spark gap is less than the distance between the first electrode and a second electrode opposite it, it being possible for the electrical potential of the second electrode to be applied to the trigger electrode by means of the trigger circuit.

5. (Previously Presented) A surge protector according to claim 3,  
wherein

the spark gap has at least two pairs of mutually opposite electrodes, which are arranged in a series circuit with respect to one another, the capacitor which can be bridged being connected in parallel with a pair of mutually opposite electrodes.

6. **Cancelled.**

7. **(Currently Amended)** A surge protector comprising:

a spark gap comprising mutually opposite electrodes,

a trigger circuit for triggering the spark gap, and

a light source coupled with a protective device and being at ground potential for generating a trigger light, wherein the trigger light can be fed to a reception unit of the trigger circuit by at least one optical waveguide, wherein the spark gap and the trigger circuit are at a high-voltage potential, wherein the reception unit has at least one power semiconductor component which can be switched by the trigger light from an off position, in which a current flow via the power semiconductor component is interrupted, to an on position, in which a current flow between the mutually opposite electrodes via the power semiconductor component is made possible.

8. **(Currently Amended)** A surge protector according to claim 7,

wherein the power semiconductor ~~components are~~ component is in the form of thyristors which are connected in opposition and can be triggered optically.

9. **(Currently Amended)** A surge protector according to claim 7,  
wherein the trigger circuit has a capacitive voltage divider, which has a capacitor  
which can be bridged by means of the power semiconductor ~~components~~ component.

10. **(Previously Presented)** A surge protector according to claim 7,  
wherein the trigger circuit is connected to a trigger electrode, whose distance from a  
first electrode of the spark gap is less than the distance between the first electrode and a  
second electrode opposite it, it being possible for the electrical potential of the second  
electrode to be applied to the trigger electrode by means of the trigger circuit.

11. **(Previously Presented)** A surge protector according to claim 9,  
wherein the spark gap has at least two pairs of mutually opposite electrodes, which  
are arranged in a series circuit with respect to one another, the capacitor which can be bridged  
being connected in parallel with a pair of mutually opposite electrodes.

12. **Cancelled.**

13. **(Currently Amended)** A surge protector comprising:  
a spark gap comprising mutually opposite electrodes,  
a trigger circuit for triggering the spark gap, and  
a light source coupled with a protective device and being at ground potential for  
generating a trigger light, wherein the trigger light can be fed to a reception unit of the trigger  
circuit by at least one optical waveguide, wherein the spark gap and the trigger circuit are at a  
high-voltage potential, wherein the reception unit has at least **one** power semiconductor  
component which can be switched by the trigger light from an off position, in which a current  
flow via the power semiconductor component is interrupted, to an on position, in which a  
current flow between the mutually opposite electrodes via the power semiconductor  
component is made possible, and [ ] wherein the power semiconductor components are in  
the form of thyristors which are connected in opposition and can be triggered optically.

14. **(Currently Amended)** A surge protector according to claim 13,  
wherein the trigger circuit has a capacitive voltage divider, which has a capacitor  
which can be bridged by means of the power semiconductor ~~components~~ component.

15. (Previously Presented) A surge protector according to claim 13,  
wherein the trigger circuit is connected to a trigger electrode, whose distance from a  
first electrode of the spark gap is less than the distance between the first electrode and a  
second electrode opposite it, it being possible for the electrical potential of the second  
electrode to be applied to the trigger electrode by means of the trigger circuit.

16. (Previously Presented) A surge protector according to claim 14,  
wherein the spark gap has at least two pairs of mutually opposite electrodes, which  
are arranged in a series circuit with respect to one another, the capacitor which can be bridged  
being connected in parallel with a pair of mutually opposite electrodes.

17. **Cancelled.**

18. **(Currently Amended)** A surge protector comprising  
a spark gap, which has mutually opposite electrodes,  
a trigger circuit for triggering the spark gap; and  
a light source which is connected to a protective device, at ground potential for  
generating a trigger light, which can be supplied to a reception unit of the trigger circuit by  
means of at least one optical waveguide, the spark gap and the trigger circuit being at a high-  
voltage potential, wherein the reception unit comprises a first light triggered thyristor coupled  
inversely with a second light triggered thyristor, wherein the first and second thyristor are  
switched by means of the trigger light from an off position, in which a current flow via the  
first and second thyristor is interrupted, to an on position, in which a current flow between  
the mutually opposite electrodes via the first and second thyristor is made possible.